

# Converting Colors

YUV(68.6020, 20.4092,  
-12.8060)

Have a look what the booklet for  
YUV(68.6020, 20.4092, -12.8060)  
contains.

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# Color

**YUV(68.6020, 20.4092,  
-12.8060)**

# Conversions

## Conversions Part 1

Format	Color
Hex	36446E
RGB	54, 68, 110
RGB Percent	21%, 27%, 43%
CMY	0.7882, 0.7333, 0.5686
CMYK	0.51, 0.38, 0.00, 0.57
HSL	225°, 34%, 32%
HSV	225°, 51%, 43%
XYZ	6.4029, 6.0443, 15.5810
YIQ	68.6020, -21.8260, 10.0940

# Conversions

## Conversions Part 2

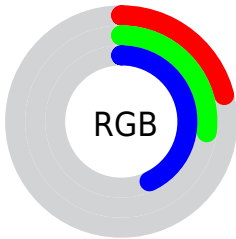
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	54, 65, 110
Decimal	3556462
CIE Lab	29.52, 7.22, -26.12
CIE LCh	30, 27.101, 285.456
Yxy	6.0443, 0.2284, 0.2157
Android (android.graphics.Color)	4281746542 (0xFF36446E)
YUV	68.6020, 20.4092, -12.8060
Hunter-Lab	24.5852, 3.4642, -20.3659

# Details

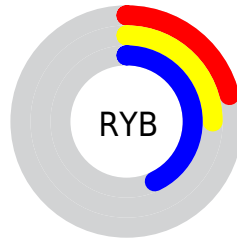
The YUV color **68.6020, 20.4092, -12.8060** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **95.3980, -20.4092, 12.8060**, and the grayscale version is **68.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **117.6560, 21.8616, -11.9763**, and **22.3300, 19.5573, -19.5834** is the 20% darker color. If you saturate the color by 10%, you get **60.6170, 24.3458, -15.4501**, and if you desaturate by 10%, it is **76.5870, 16.4726, -10.1618**.

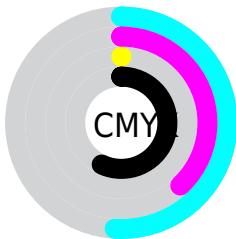
# Distribution



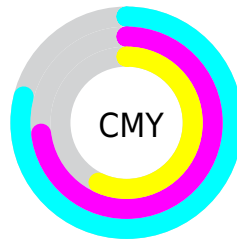
- Red (21%)
- Green (27%)
- Blue (43%)



- Red (21%)
- Yellow (25%)
- Blue (43%)



- Cyan (51%)
- Magenta (38%)
- Yellow (0%)
- Black (57%)



- Cyan (79%)
- Magenta (73%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 68.6020, 20.4092, -12.8060 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YUV color 68.6020, 20.4092, -12.8060 by changing the saturation by 10% instead.



■ 68.6020, 20.4092,  
-12.8060

■ 68.6020, 20.4092,  
-12.8060

■ 255.0000, 0.0000,  
0.0000

■ 45.3630, 19.5410,  
-14.3504

■ 117.6560, 21.8616,  
-11.9763

■ 22.3300, 19.5573,  
-19.5834

■ 143.1830, 22.5878,  
-11.5615

■ 4.5600, 17.4719,  
-3.9991

■ 170.2970, 23.0246,  
-11.6615

■ 2.6390, 7.5730,  
-2.3144

■ 197.4110, 23.4614,  
-11.7614

■ 0.0000, 0.0000,  
0.0000

■ 223.6580, 15.4516,  
-9.3471

■ 248.4660, 3.2213,

-6.5477

■ 68.6020, 20.4092,  
-12.8060

■ 68.6020, 20.4092,  
-12.8060

■ 60.6170, 24.3458,  
-15.4501

■ 76.5870, 16.4726,  
-10.1618

■ 52.6320, 28.2824,  
-18.0943

■ 85.1590, 12.2466,  
-8.0324

■ 44.0600, 32.5084,  
-20.2236

■ 93.1440, 8.3100,  
-5.3883

■ 36.0750, 36.4450,  
-22.8678

■ 101.1290, 4.3734,  
-2.7441

■ 28.9760, 39.9448,  
-25.4120

■ 109.1140, 0.4368,  
-0.1000

■ 117.6860, -3.7892,  
2.0294

■ 125.6710, -7.7258,  
4.6735

■ 133.6560,  
-11.6624, 7.3177

■ 141.6410,  
-15.5990, 9.9618

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.5650, 26.3435, -49.6075



68.6020, 20.4092, -12.8060



71.9210, 13.3499, 11.4703

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.6020, 20.4092, -12.8060



69.2290, -13.9169, 30.4942



56.5620, 0.7089, -40.8349

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68.6020, 20.4092, -12.8060



95.3980, -20.4092, 12.8060

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.9970, -12.3235, -14.0294



68.6020, 20.4092, -12.8060



68.5560, -19.9941, 19.6834

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.6020, 20.4092, -12.8060



69.8410, -5.3446, 34.3424



66.5710, -19.5085, 3.8842



56.0800, 11.7926, -49.1822



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.6020, 20.4092, -12.8060



71.8040, 7.4916, 23.8509



66.5710, -19.5085, 3.8842



60.2600, -4.5652, -29.1690

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



68.6020, 20.4092, -12.8060



127.0300, 7.8732, -5.2883



91.6600, 2.1396, -33.0278



62.1290, 4.3734, -2.7441



199.0000, 0.0000, 0.0000



71.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.6020, 20.4092, -12.8060



78.2450, 31.9242, -19.5089



64.5700, 22.3970, 3.0081



51.8580, 2.0420, -1.6295



31.2900, 43.7340, -27.4413



64.5520, 89.9469, -56.6121



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



72.3400, -2.1396, 33.0278



84.4070, -3.6517, 51.3861



99.4300, -22.3970, -3.0081



52.0220, -0.0108, 3.4887



39.3000, -4.5849, 70.7739

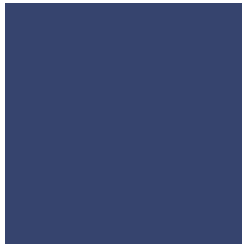


80.9210, -9.3281, 145.6513



# Previews

## White Background



This preview shows how the YUV color 68.6020, 20.4092, -12.8060 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 68.6020, 20.4092, -12.8060 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

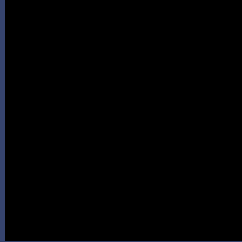
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 68.6020, 20.4092, -12.8060

## Background



This preview shows how black text looks on a background with the YUV color 68.6020, 20.4092, -12.8060.



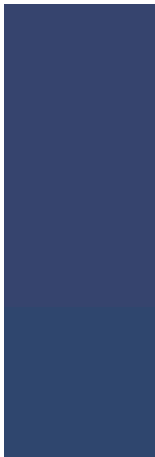
This preview shows how white text looks on a background with the YUV color 68.6020, 20.4092,

-12.8060.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

68.6020, 20.4092, -12.8060

### Protanopia

68.6020, 20.4092, -12.8060

### Deuteranopia

67.6830, 20.8623, -18.1390



## Tritanopia

65.7140, 7.0430, -19.0432

# Trichromacy



## Original Color

68.6020, 20.4092, -12.8060

## Protanomaly

68.6020, 20.4092, -12.8060

## Deuteranomaly

67.9930, 20.7095, -15.7799

## Tritanomaly

66.9900, 11.8369, -16.6542

# Monochromacy



## Original Color

68.6020, 20.4092, -12.8060

## Achromatopsia

69.0000, 0.0000, 0.0000

## Achromatomaly

69.2150, 7.2890, -4.5736

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 68.6020, 20.4092, -12.8060 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(54, 68, 110)` looks like.

```
.text, #text, p{  
  color:rgb(54, 68, 110)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(54, 68, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 68, 110) }
```

## Border

The CSS property to change the border of an element to YUV 68.6020, 20.4092, -12.8060 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(54, 68, 110) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(54, 68, 110) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(54, 68, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 68, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 68, 110);  
box-shadow:4px 4px 4px 4px rgb(54, 68,  
110) }
```

# Background

The CSS property to change the background color of an element to YUV 68.6020, 20.4092, -12.8060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 68, 110) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(54, 68,  
110) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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